



CLIPPEDIMAGE= US004057674A

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TITLE: Process for preparing dry, laminating impregnated papers or cloths, and process for producing decorative plates using the same

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ABSTRACT:

In preparing a dry, laminating impregnated paper or cloth by impregnating a paper or cloth with a resin solution containing a polymerization catalyst, a cross-linking monomer and, if necessary, a releasing agent, followed by drying, the use as the resin of a resin composition consisting of (A) 10 to 90 % by weight of an organic solvent-soluble diallyl phthalate prepolymer having an average molecular weight of 2,000 to 20,000 and a softening point of 70 DEG to 140 DEG C. which prepolymer has been obtained by partially polymerizing a diallyl phthalate monomer and separating and purifying the resulting prepolymer, and 90 to 10 % by weight, in total, of (B) an organic solvent-soluble non-crystalline unsaturated polyester and (C) an organic

solvent-soluble benzoguanamine resin obtained by condensing in an alkaline reaction system 1 mole of benzoguanamine with 1 to 4 moles of formaldehyde, the weight ratio of (C)/(B) being up to 0.85 and the amount of (C) being at least 2 % by weight of the total weight of (A), (B) and (C), results in a stickiness-free impregnated paper or cloth. The thus obtained impregnated paper or cloth is laminated to a proper base plate, or two or more of the impregnated paper or cloth are laminated to each other, to obtain a laminate with an overlay excellent in transparency. When the above-mentioned impregnated paper or cloth is used, a laminate having a favorable gloss can be obtained even when the laminate is taken out of the press without cooling at the time of lamination.